(37 CFR § 1.98(b))

OCT 0 7 2004 U.S. Department of Commerce Pagent and Trademark Office

Attorney Docket No.: FORS-06638

Serial No.: 09/982,667

INFORMATION DISCLUSURE STATEMENT BY APPLICANT (Use Several Sheets If Newscary)

Applicant: James R. PRUDENT et al.

Filing Date: 10/18/01

Group Art Unit:

caminer nitials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
a	1	6,001,567	12/14/99	Brow et al.	435	6	07/12/96
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Date Considered:

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U.S. Department of Commerce **FORM PTO-1449** Attorney Docket No.: FORS-06638 Serial No.: 09/982,667 Patent and Trademark Office (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT Applicant: James R. PRUDENT et al. (Use Several Sheets Is Newssan) Filing Date: 10/18/01 Group Art Unit: (37 CFR § 1.98(b)) U.S. PATENT DOCUMENTS Cite Serial / Patent Examiner Applicant / Patentee Class Filing Date Subclass Number Initials No. U 31 5,144,019 06/21/89 09/01/92 Rossi 536 27 32 5,118,605 06/02/92 Urdea 435 6 09/29/88 33 5,108,892 04/28/92 6 08/03/89 Burke et al. 435 34 5,030,557 07/09/91 Hogan et al. 435 6 11/24/87 35 5,011,769 04/30/91 Duck et al. 435 6 04/29/88 36 4,876,187 10/24/89 Duck et al. 435 6 12/05/85 37 4,818,680 04/04/89 Collins et al. 435 6 12/18/85 38 4,775,619 10/04/88 Urdea 435 6 10/16/84 39 4,683,202 07/28/87 Mullis 435 91 10/25/85 40 4,683,195 07/28/87 Mullis et al. 435 6 02/07/86 41 4,683,194 07/28/87 Saiki et al. 435/6 935/78 03/28/85 42 4,518,526 05/21/85 Olson 260 06/01/84 112 43 4,512,922 04/23/85 Jones et al. 260 06/01/84 112 44 4,511,503 06/01/84 04/16/85 Olson et al. 260 112 45 4,511,502 04/16/85 Builder et al. 260 112 06/01/84 FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS Translation Document **Publication Date** Country / Patent Office Class Subclass Number Yes No 46 90/01069 02/08/90 PCT C12Q 1/68 47 92/06200 04/16/92 PCT C12N 15/54 48 91/09950 07/11/91 **PCT** CI2N 15/54 49 90/15157 12/13/90 **PCT** C12Q 1/68 50 96/40999 12/19/96 **PCT** C12Q CIOP 19/34 51 94/29482 12/22/94 PCT C12Q 1/68 C12P 19/34 52 95/14106 05/26/95 **PCT** C12Q 1/68 92/02638 53 02/20/92 **PCT** C12Q 1/68 1/70 54 89/09284 10/05/89 **PCT C12Q** 1/68 55 96/20287 07/04/96 **PCT** C12Q 1/68 1/44 56 0 411 186 AI 02/06/91 European Patent Application CI2Q 1/68 0 482 714 A1 57 10/22/91 **European Patent Application** C12Q 1/68

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Attorney Docket No.: FORS-06638

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Applicant: James R. PRUDENT et al. INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) Filing Date: 10/18/01 Group Art Unit: (37 CFR § 1.98(b)) OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) Rao et al., "Methanococcus jannaschii Flap Endonuclease: Expression, Purification, and Substrate Requirements," J. of Bacteriology 137 180:5406-5412 (1998); Reagan et al., "Characterization of a Mutant Strain of Saccharomyces cerevisine with a Deletion of the RAD27 Gene, a Structural Homolog 138 of the RAD2 Nucleotide Excision Repair Gene," J. of Bacteriology 177:364-371 (1995); Saiki et al., "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," Science 239:487-491 (1988); 139 Sambrook et al., Molecular Cloning. A Laboratory Manual, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, pp. 1.63-1.69 140 (1989);Setlow and Kornberg, "Deoxyribonucleic Acid Polymerase: Two Distinct Enzymes in One Polypeptide," J. Biol. Chem. 247:232-240 (1972); 141 Siegal et al., "A 5' to 3' exonuclease functionally interacts with calf DNA polymerase e," Proc. Natl. Acad. Sci. USA 89:9377-9381 (1992); 142 Shen et al., "Flap endonuclease homologs in archaebacteria exist as independent proteins," TIBS 23 (1998); 143 Shen et al., "Essential Amino Acids for Substrate Binding and Catalysis of Human Flap Endonuclease 1," J. of Biol. Chem. 271:9173-9176 144 (1996)Smith et al., "Novel Method of Detecting Single Base Substitutions in RNA Molecules by Differential Melting Behavior in Solution," 145 Genomics 3:217-223 (1988); Sommers et al., "Conditional Lethality of Null Mutations in RTHI That Encodes the Yeast Counterpart of a Mammalian 5'- to 3'-146 Exonuclease Required for Lagging Strand DNA Synthesis in Reconstituted Systems," J. of Biol. Chem. 270:4193-4196 (1995); Stark, "Multicopy expression vectors carrying the lac repressor gene for regulated high-level expression of genes in Escherichia coli," Gene 147 5:255-267 (1987); Studier and Moffatt, "Use of Bacteriophage T7 RNA Polymerase to Direct Selective High-level Expression of Cloned Genes," J. Mol. Biol. 148 189:113-130 (1986); 149 Tindall and Kunkel, "Fidelity of DNA by the Thermus aquaticus DNA Polymerase," Biochem. 27:6008-6013 (1988); Turchi et al., "Enzymatic completion of mammalian lagging-strand DNa replication," Proc. Natl. Acad. Sci. USA 91:9803-9807 (1994); 150 151 Uhlenbeck, "A small catalytic oligoribonucleotide," Nature 328:596-600 (1987); Urdea et al., "A novel method for the rapid detection of specific nucleotide sequences in crude biological samples without blotting or 152 radioactivity; application to the analysis if hepatitis B virus in human serum," Gene 61:253-264 (1987); Wu and Wallace, "The Ligation Amplification Reaction (LAR) - Amplification of Specific DNA Sequences Using Sequential Rounds of 153 Template-Dependent Ligation," Genomics 4:560-569 (1989); Wu et al., "Processing of branched DNA intermediates by a complex of human FEN-1 and PCNA," Nucleic Acids Research 24:2036-2043 154 (1996); Xu et al., "Biochemical and Mutational Studies of the 5'-3' Exonuclease of DNA Polymerase 1 of Escherichia coli," J. Mol. Biol. 268:284-155 302 (1997); Zwickl et al., "Glyceraldehyde-3-Phosphate Dehydrogenase from the Hyperthermophilic Archaebacterium Pyrococcus woesei: 156 Characterization of the Enzyme, Cloning and Sequencing of the Gene, and Expression in Escherichia coli," J. Bact. 172:4329-4338 (1990); Hiraoka et al., "Sequence of human FEN-1, a structure specific endonuclease, and chromosomal localization of the gene (FEN1) in mouse 157 and human," Genomics 25:220-225 (1995); Augustyns et al., "Hybridization specificity, enzymatic activity and biological (Ha-ras) activity of oligonucleotides containing 2,4-dideoxy-158 beta-D-erythro-hexopyranosyl nucleosides," Nucleic Acids Res. 21:4670-4676 (1993); 159 Agrawal et al., "Modified oligonucleotides as therapeutic and diagnostic agents," Current Opinion in Biotechnology, 6:12-19 (1995); Corey, "4800-fold Acceleration of Hybridization of Chemically Modified Oligonucleotides," J. of the Amer. Chem. Soc. 117:9373-9374 160 161 Cotton, "Current methods of mutation detection," Mutation Research 285:125-144 (1993); Schmidt et al., "The use of oligonucleotide probes containing 2'-deoxy-2'fluoronucleosides for regiospecific cleavage of RNA by RNaseH 162 from Escherichia coli," Biochimica et Biophysica Acta. 1130:41-46 (1991); Examiner: Date Considered:

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**EXAMINER:** 

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